

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A device for detecting sulfuranyl fluoride, in which ~~the~~ a gas specimen to be examined is subjected to pyrolysis, with ensuing detection of a pyrolysis product, wherein for the pyrolysis, a chemical layer ~~(5)~~ of pyrophoric iron is provided in a portion of the device, and as an indication system for the pyrolysis product, a test tube, in a subsequent portion of the device, ~~(2)~~ for hydrogen fluoride is present.

2. (Currently Amended) The device of claim 1, wherein the chemical layer ~~(5)~~ additionally contains iron or aluminum powder.

3. (Currently Amended) A method for detecting sulfuranyl fluoride, in which ~~the~~ a gas specimen to be examined is subjected to pyrolysis, with ensuing detection of a pyrolysis product, wherein:

the pyrolysis is performed with a chemical layer ~~(5)~~ of pyrophoric iron above 400° Celsius, and

the hydrogen fluoride concentration of the pyrolysis product is detected, using a colorimetric test tube, in order to detect sulfuranyl fluoride ~~(2)~~.

4. (Currently Amended) The method of claim 3, wherein iron or aluminum powder is added to the chemical layer ~~(5)~~.

5. (Canceled).

6. (New) The use of a test tube comprising:

detecting, in a test tube, hydrogen fluoride as a pyrolysis product of a gas specimen, and
determining, from the detected hydrogen fluoride, the proportion of sulfuranyl fluoride in the gas specimen.